SIEMENS

MOBILETT Plus/-E/-M

SP

Maintenance Protocol

System

this protocol

MOBILETT Plus/ -E/ -M
Customer:
Address:
Department
Department:
Room:
Contact person:
Telephone:
Cust. specific no.:
Cust. no.:
Date.:

Print No.: SPR8-215.832.04.03.02 Replaces: SPR8-215.832.04.02.02

The instructions SPR8-215.831.04.03.02 are required for

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English

Doc. Gen. Date: 07.05

Cust.-No.: Date: Protocol

SIEMENS Office:	
Address:	
Region:	
Country:	
Contact person:	
Tel.:	
CSE in charge:	
Tel.:	

Remarks Regarding the Protocol:

The protocol is valid as proof of quality for **one** check that must be performed on the system / component in one year.

The check must be performed in the specified intervals.

The results of the check are entered in this protocol.

The chapter numbers in front of the checkpoints indicate the corresponding chapters in the particular instructions (see cover page).

The protocol must be completely filled out by the Customer Service Engineer, i.e.:

- All boxes must be filled out. If a box does not apply to the system or if no entry needs to be made, check the "n.a." box.
- Enter the customer number (Cust. No.:) and the date of the check in the header of each page so that each page can be allocated to a customer and to a check date.
- If there are complaints, the IVKs for the component about which a complaint has been
 made as well as the type of complaint must be entered in the "Open Points" table provided for this. Correction of these open points also must be documented in this table
 with the date and a signature. If there are no open points, check "No" and document this
 with the date and a signature.
- If movable components (also test phantoms that are part of the system) that can be used in different systems are used for the check, they must be entered in the "Movable Components" table provided for this.
- The measurement values for the measurements that must be performed during the check must also be entered in the open spaces / tables provided for them.
- After completing the check, Page 3 of this protocol must be filled out and signed.

Protocol Date: Cust.-No.:

Further Processing and Archiving of the Protocol

The protocol is a document and thus must be archived. After completing the test, it must be filed in the corresponding register in the "System Owner Manual" binder. If needed, a copy can be handed to the customer.

System:	
Serial No.:	
Software Version:	
Number of the Service Contract:	
Type of Maintenance:	
Evaluating the Condition of the System	/ Component
The system has no deficiencies. The ima resulted in no differences from required re	
The system / component has slight deficient no affect on continued operation of the system should be corrected preventively.	
The image quality test resulted in no difference values.	rences from
The system / component has serious define safety reasons, continued operation of the mitted only after successfully correcting the system.	e system is per-
After completing all work steps, an eva	aluation was performed.
Signatur	e:
Date: Name:	
The operator or a person assigned for thi	s has taken note of this evaluation.
(if national regulations require this)	
Signatur	e:
Date: Name:	

Cust.-No.: Protocol

Explanation of Abbreviations in the Protocol

Abbrev.	Explanation	Abbrev.	Explanation
SI	Safety Inspection	PMF	Preventive Maintenance, Operating Value Check, Function Check
SIE	Electrical Safety Inspection	Q	System Quality, Image Quality
SIM	Mechanical Safety Inspection	QIQ	Image Quality
PM	Preventive Maintenance	QSQ	System Quality Check
PMP	Periodic Preventive Maintenance	SW	Software Maintenance
РМА	Preventive Maintenance Adjustments	CSE	Customer Service Engineer

Additional activities performed

Only activities that are not described in the instructions for the system / component need to be listed.

Additional	activities perfori	med:	ОК	not OK	n.a.
Open Poin	ts:				
Yes:	No:	Signature:			
	Date:	Name:			

If "Yes", enter the component with the IVK and the open point (only the number) in the table. After completing maintenance, record this in the table.

IVK	Component	Open Points	Completed	
			Date Signature	
				I

Date:

Protocol	Da	ıte:	CustNo.:	
Measurir	ng Devices queried o	electronically:		
Yes:	No:	Signature:		

If the measurement devices are queried electronically, for example with a Scout Mobile Device, entry of the measuring devices in the table can be skipped.

Name:

Measuring Devices	Туре	Serial No.	Date Used	Next Calibration Due

Date:

Yes:	No:	Signature:	
	Date:	Name:	

If "Yes", enter the movable component with which the check was performed along with the with the Serial No. in the table.

Movable components (also test phantoms that are part of the system) are parts that can be used on different systems).

Component	Seria	ıl No.

Cust.-No.: Date: Protocol

OK not n.a. OK

1 General

2 Inspection and maintenance

2.1 Visual inspection

SIM Labels

PMP Customer documentation

2.1.1 **Damage**

SIM Covers

SIM Cassette compartment
SIM Control and display panel
SIM Exposure release cable
SIM Single tank generator

SIM Collimator SIM DAP (optional)

Option present: Yes: No:

Signature:

Date: Name:

2.2 Mechanical inspection

2.2.1 Rear wheels

SIM Drive belt (for MOBILETT Plus M only)

SIM Brake lining

SIM Secure mounting

SIM Ease of movement

2.2.2 Front wheels

SIM Secure mounting

SIM Ease of movement

PMP Cleaning

2.2.3 Supporting wheels

SIM Ease of movement

SIM Damage

2.2.4 Turn plate (MOBILETT Plus/Plus M only)

PMF Button illumination

PMF Function

2.2.5 Brakes

SIM Uniformity
SIM Braking force

SIM Locking

Protocol Date: Cust.-No.:

OK not n.a. OK

2.2.6 Transport safeguard

SIM Damage SIM Locking 2.2.7 Handles

SIM Mounting

2.2.8 Collimator adjustment knobs

SIM Mounting

2.2.9 Arm system and single tank

SIM Movement of the arm system and the single tank

SIM Movement of the single tank fork

SIM Single tank movement

2.2.10 Mains cable

PMP Replace the cable winder every 4 years (units with cable winder only).

Startup Date / Date of Last Replacement . . .

DD MM YYYY

SIM Cable winder (for units with cable winder only)

PMP Replace the mains cable every 2 years.

Startup Date / Date of Last Replacement . . .

DD MM YYYY

SIM Damage PMP Cleaning

SIM Protective conductor

2.2.11 Arm system mounting

SIM Screws and lock nuts

2.2.11.1 Adjustment screw

SIM Lock nuts

SIM Base mounting

2.2.11.2 Arm connecting piece

SIM Screws and nuts

2.2.11.3 Single tank fork

SIM Screw connections on the fork SIM Single tank screw connections

2.2.11.4 Lubrication

PMP Glide bushing on the connecting rod

2.2.12 Arm cable harness

SIM Damage

Cust.-No.: Protocol

OK not n.a.

2.3 Motor batteries (MOBILETT Plus M only)

PMF Battery voltage

PMF Condition

PMF Charging indicator

2.4 Service mode

2.5 Maintenance tests

SIE Display test PMF Filament test

PMF Rotating anode test

PMF Capacitor bank and charge test

2.6 Backup battery G1/D1

PMP Replace every 5 years

Startup Date / Date of Last Replacement

DD MM YYYY

PMF P11 - Backup battery test

2.7 Test of kV accuracy

PMF 52 kV, 50 mAs

Measured value:

PMF 81 kV, 20 mAs

Measured value:

PMF 133 kV, 20 mAs

Measured value:

PMF 125 kV, 20 mAs

Measured value:

2.8 Test of mAs accuracy

PMF 40 kV, 5 mAs

Measured value:

PMF 81 kV, 2 mAs

Measured value:

Protocol Date: Cust.-No.:

OK not n.a. OK

PMF 133 kV, 10 mAs

Measured value:

PMF 125 kV, 10 mAs

Measured value:

2.9 Check for reproducibility

QSQ Fluctuation coefficient C

Measured value:

2.10 Remote exposure switch system (optional)

SIE Function of the remote exposure switch system PMP Replace the remote control battery every year.

2.11 DAP measuring system (optional)

SIE Function of the DAP measuring system

2.12 Replacing the collimator lamp

PMP Replace every year

PMF Function of the collimator lamp

2.13 Checking the luminance

PMF Luminance

2.14 Coincidence of radiation and light fields

QSQ Deviation ((A + C) / SID)

Measured value:

QSQ Deviation ((B + D) / SID)

Measured value:

2.15 Checking the radiation indicator

SIE Radiation indicator SIE Audible signal

2.16 Checking the manual exposure interrupt

SIE Message "USE20"
SIE 10 short beep signals

Cust.-No.: Protocol

OK not n.a.

2.17 Protective conductor measurement

SIE Measured value

Measured value:

2.18 Equivalent leakage current measurement

SIE Measured value

Measured value:

2.19 Cleaning the system

PMP Cleaning

2.20 Checking the kV and mAs displays

PMF "Ready" indicator SIE Visibility of displays SIE Correct displays

2.21 Motor drive function (MOBILETT Plus M only)

PMF Forward/reverse PMF Acceleration

SIE Shutdown function